

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE



Applicant : Cristina Gomila et al.
Serial No. : 10/569,318
Filed : February 22, 2006
Title : METHOD AND APPARATUS FOR MODELING FILM GRAIN
Patterns : PATTERNS IN THE FREQUENCY DOMAIN
Examiner : Not Yet Assigned
Art Unit : 2812

INFORMATION DISCLOSURE STATEMENT

- [XX] 1 Pursuant to 37 CFR 1.97(b)
[within 3 months of filing or prior to 1st Office Action]
- [] 2 Pursuant to 37 CFR 1.97(c)
[before Final Office Action or Allowance]
- [] 3 Pursuant to 37 CFR 1.97(d)
[after Final Office Action or Allowance, but prior to payment of Issue Fee]

Mail Stop Amendment
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Sir:

The following are submitted in the above-identified application in compliance with 37 CFR 1.97 & 1.98:

- [XX] 4 A list of documents on form PTO/SB/08a and/or PTO/SB/08b together with copies of each identified document and a translation or a concise explanation of each non-English language document is enclosed herewith.

This paper is submitted in accordance with:

- [XX] 5 37 CFR 1.97(b): [within 3 months of filing or prior to 1st Office Action]
- [] 6 37 CFR 1.97(c): [before Final Office Action or Allowance, whichever is earlier]; and
- [] (a) The required certification made in item 8(a) below; OR
- [] (b) The \$180.00 fee specified in 37 CFR 1.17(p) for submission of this Information Disclosure Statement is authorized in item 9 below.
- [] 7 37 CFR 1.97(d): [after Final Office Action or Allowance, but prior to payment of Issue Fee]; and
- [] (a) The required Certification made in item 8(a) below; AND
- [] (b) The \$180.00 fee specified in 37 CFR 1.17(p) for submission of this Information Disclosure Statement is authorized in item 9 below.

[] 8 Certification

- [] (a) Each item of information contained in this Statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Statement; or
- [] (b) No item of information contained in this Statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to the knowledge of the person signing this document after making reasonable inquiry, was known to any individual designated in 37 CFR 1.56(c) more than three (3) months prior to the filing of this Statement.

- [XX] 9 Please charge the applicable fees associated with the submittal of this Information Disclosure Statement to Deposit Account No. 07-0832. An original and one (1) copy of this document is enclosed.

Respectfully submitted,

CRISTINA GOMILA ET AL.

By: 

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Registration No. 28,234
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DATE: 5/16/07

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Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet	1	of	3
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Complete if Known

Application Number	10/569318
Filing Date	FEBRUARY 22, 2006
First Named Inventor	CRISTINA GOMILA ET AL
Group Art Unit	2812
Examiner Name	
Attorney Docket Number	PU030259



U.S. PATENT DOCUMENTS

[illegible]

FOREIGN PATENT DOCUMENTS

Examiner Initials	Cite No.1	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T5
		Office3	Number4	Kind Code5 (if known)				
M.E./		EP	EP0622000		FABER	10-15-1992		
M.E./		EP	EP1175091		PRZYBORSKI ET AL.	01-23-2002		
M.E./		EP	EP1215624		EASTMAN KODAK COMPANY	06-19-2002		
M.E./		WO	WO0146992		BROWN UNIVERSITY RESE/	06-28-2001		
M.E./		WO	WO0177871		DEMOGRAFX	10-18-2001		
M.E./		WO	WO2004104931		THOMSON LICENSING S.A.	12-02-2004		
M.E./		WO	WO9314591		FABER	07-22-1993		
M.E./		WO	WO9520292		PRZYBORSKI ET AL.	07-27-1995		
M.E./		WO	WO9722204		PRZYBORSKI	06-19-1997		

Examiner Signature	/Michelle Entezari/	Date Considered	08/11/2008
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¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial

number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)			Application Number	10/569318	
			Filing Date	FEBRUARY 22, 2006	
			First Named Inventor	CRISTINA GOMILA ET AL.	
			Group Art Unit	2812	
			Examiner Name		
Sheet	2	of	3	Attorney Docket Number	PU030259

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials ¹	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
/M.E./		.AL-SHAYKH ET AL., "Lossy Compression of Images Corrupted by Film Grain Noise," School of Electrical and Computer Engineering, 1996 IEEE.	
/M.E./		.AL-SHAYKH ET AL., "Restoration of Lossy Compressed Noisy Images," IEEE Transactions on Image Processing, Vol. 8, No. 10, October 1999.	
/M.E./		.AL-SHAYKH, "Lossy Compression of Noisy Images," IEEE Transactions on Image Processing, Vol. 7, No. 12, December 1998.	
/M.E./		.BRIGHTWELL ET AL., "Automated Correction of Film Unsteadiness, Dirt and Grain," International Broadcasting Convention, September 16-20, 1994, Conference Publication No. 397, IEE, 1994.	
/M.E./		.CAMPISI ET AL., "Signal-Dependent Film Grain Noise Generation Using Homomorphic Adaptive Filtering," IEE Proceedings, Image Signal Process, Vol. 147, No. 3, June 2000.	
/M.E./		.ZHAO ET AL., "Constant Quality Rate Control for Streaming MPEG-4 Fgs. Video," Integrated Media Systems Center and Department of Electrical Engineering, University of Southern California, 2000 IEEE.	
/M.E./		.CHAVEL ET AL., "Film Grain Noise in Partially Coherent Imaging," Optical Engineering, Vol. 19, No. 3, May-June 1980.	
/M.E./		.FISCHER ET AL., "Image Sharpening Using Permutation Weighted Medians," Department of Electrical Engineering, University of Delaware, fischer@ee.udel.edu, paredesi@ee.udel.edu, arce@ee.udel.edu.	
/M.E./		.ILLINGWORTH ET AL., "Vision, Image and Signal Processing," The Institution of Electrical Engineers, IEE Proceedings, June 2000, Vol. 147, No. 3.	
/M.E./		.MCLEAN ET AL., "Telecine Noise Reduction," XP-002285972, 2001 The Institute of Electrical Engineers.	
/M.E./		.OKTEM ET AL., "Transform Domain Algorithm for Reducing Effect of Film-Grain Noise in Image Compression," Electronics Letters, October 14, 1999, Vol. 35, No. 21.	

Examiner Signature	/Michelle Entezari/	Date Considered	08/11/2008
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		Examiner Name	
Sheet	3	of	3
		Attorney Docket Number	PU030259

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
/M.E./		, PRADES-NEBOT ET AL, "Rate Control for Fully Fine-Grained Scalable Video Coders," Visual Communications and Image Processing 2002, Proceedings of SPIE, Vol. 4671 (2002), SPIE 0277-786X/02.	
/M.E./		, SCHAAR ET AL, "Fine-Granularity-Scalability for Wireless Video and Scalable Storage," Visual Communications and Image Processing 2002, Proceedings of SPIE, Vol. 4671 (2002) SPIE 0277-786X/02.	
/M.E./		, SHAHNAZ ET AL, "Image Compression in Signal-Dependent Noise," Applied Optics, Vol. 38, No. 26, September 10, 1999.	
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/M.E./		, YAN ET AL, "Film Grain Noise Removal and Generation for Color Images," Department Electrical and Computer Engineers, University of Toronto, dimitris@comm.toronto.edu.	
/M.E./		, YAN ET AL, "Signal-Dependent Film Grain Noise Removal and Generation Based on Higher-Order Statistics," University of Toronto, Department of Electrical and Computer Engineering, dimitris@comm.toronto.edu, 1997 IEEE.	
/M.E./		, YOSHIDA, "Go with the Grain, Film R&D Chief Urges, for Art's Sake," EE Times, February 07, 2005.	
/M.E./		, ZHANG ET AL, "Constant Quality Constrained Rate Allocation for FGS Video Coded Bitstreams," Visual Communications and Image Processing 2002, Proceedings of SPIE, Vol. 4671 (2002) SPIE 0277-786X/02.	
/M.E./		, PENG ET AL, "Adaptive Frequency Weighting for Fine-Granularity-Scalability," Visual Communications and Image Processing 2002, Proceedings of SPIE, Vol. 4671 (2002) SPIE 0277-786X/02, pp. 840-849.	

Examiner Signature	/Michelle Entezari/	Date Considered	08/11/2008
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